

WEST

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L3: Entry 7 of 22

File: USPT

Apr 22, 2003

DOCUMENT-IDENTIFIER: US 6553242 B1

TITLE: Physiological stress detector device and method

Brief Summary Text (5):

Infants during the first year of life are susceptible to breathing disturbances (apnea) and respiratory distress. Sudden Infant Death Syndrome (SIDS) is a medical condition in which an infant enters respiratory distress and stops breathing, leading to the death of the infant. Although the cause and warning signs of SIDS are not clear, it has been shown that early detection of respiratory distress can provide the time to administer the aid necessary to prevent death.

Brief Summary Text (24):

In a preferred embodiment adapted for SIDS, the sensor is designed to apply reflective oximetry techniques, so as to comfortably and accurately monitor the arterial oxygen levels and the pulse of an infant or any other living organism prone to respiratory distress. This monitor is equipped with a processor capable of determining the need for an alarm and capable of signalling a distress signal to further alert to a crisis.

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DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR

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|-----------|--|-------|-----------|
| <u>L8</u> | L7 and (tyloxapol or (alklyaryl near polyether near alcohol near polymer)) | 12 | <u>L8</u> |
| <u>L7</u> | (snoring or snore or apnea or (sleep near apnea) or SIDS or (sudden near infant near death near syndrome)) | 15754 | <u>L7</u> |
| <u>L6</u> | L1 and ((triton) or tyloxapol or (alklyaryl near polyether near alcohol near polymer)) | 169 | <u>L6</u> |
| <u>L5</u> | L1 and ((triton near 1339) or tyloxapol or (alklyaryl near polyether near alcohol near polymer)) | 11 | <u>L5</u> |
| <u>L4</u> | L1 and ((triton near 1339) or tyloxapol or (alklyaryl near polyether near alcohol near polymer)) | 1 | <u>L4</u> |
| <u>L3</u> | (SIDS or (sudden near infant near death near syndrome)) same (respiratory near distress) | 22 | <u>L3</u> |
| <u>L2</u> | L1 and (tyloxapol or (alklyaryl near polyether near alcohol near polymer)) | 11 | <u>L2</u> |
| <u>L1</u> | (snoring or (sleep near apnea) or SIDS or (sudden near infant near death near syndrome)) | 14697 | <u>L1</u> |

END OF SEARCH HISTORY